

ARCTIC OBSERVING SUMMIT 2016 - POSTER SESSIONS (March 16 and 17th, 5:30 - 8 pm) - Updated 2016-03-12

THEME 1 - International and national strategies for sustained support of long-term Arctic observing

THEME 2 - Technology and innovation for sustained Arctic observations

THEME 3 - Contributions of the Private Sector and Industry to sustained Arctic observations

THEME 4 - Actor and Stakeholder engagement and needs in sustained Arctic observations

THEME 5 - Arctic Observations in the context of Global Observing initiatives

THEME 6 - Interfacing Indigenous Knowledge, Community-based Monitoring and Scientific Methods for sustained Arctic observations

THEME OTHER (TO)

Theme-ID	AUTHOR	TITLE	THEMES
T1-5	Arnold, Steve; Brock, Chuck and Law, Kathy	Air Pollution in the Arctic: Climate, Environment and Society (PACES)	1, 2, 5, 6
T4-1	Arp, Christopher; Whitman, Matthew; and Jones, Benjamin	Observing Arctic Freshwater Habitat Dynamics in the Fish Creek Watershed, Alaska	4, 5, 1
T4-16	Arruda, Gisele	Arctic resource development: a sustainable prosperity project of co-management	4, 6, 3
T5-35	Bartsch, Annett; Grosse, Guido; Kääb, Andreas; Westermann, Sebastian; Strozzi, Tazio; Wiesmann, Andreas; Duguay, Claude; and Seifert, Frank Martin	GlobPermafrost – how space supports understanding of permafrost?	5
T1-3	Beamish, Alison; Doyle, Marlene; Taylor, Jason; Ravolainen, Virve; Elmendorf, Sarah; Hik, David; Henry, Greg; Jonsdottir, Ingiborg S; Stewart, Larke; Aronsson, Mora; Wookey, Phillip; Heimarsson, Starri, Fossa, Anna Maria and Barrio, Isabel	Integrating and coordinating Arctic vegetation monitoring: CBMP Vegetation Expert Network Initiatives	1
T6-9	Bell, Trevor; Angnatok, Joey; Arreak, Andrew; Braithwaite, Leah; Briggs, Rob; Clausi, David; Dawson, Jackie; Elverum, Shelly; Haas, Christian; Laing, Rodd; Ljubicic, Gita; Tivy, Adrienne; and Wilson, Katherine	SmartICE: sea ice monitoring and forecasting in support of community well-being under changing climate and shipping conditions	6, 3, 4
T4-19	Bieniek, Peter; Bhatt, Uma; Walsh, John; Rupp, Scott; and Lader, Rick	Observational needs for regional downscaling in Alaska	4, OTHER
T6-6	Black, Sandra; Barclay, Robert; Wynne-Edwards, Kathy; Cattet, Marc; Goldstein, Tracey; Stephen, Craig; Ferguson, Steven; Raverty, Stephen; Boisvert, Richard; Janz, David M.; Apprill, Amy; and Duignan, Padraig.	An retrospective and integrative health index for Narwhal	6
T1-10	Bourdages, Line; Buch, Erik and Fischer, Albert.	Toward an Arctic component of the Global Ocean Observing System	1, 5
T2-3	Bradley, Alice; Palo, Scott; LoDolce, Gabe; Weibel, Doug; Lawrence, Dale; Maslanik, Jim	Microbuoys in Arctic Sensing: novel instruments for low-cost and low-impact observing of the upper ocean	2
T6-5	Braem, Nicole	Towards implementing an Arctic social indicators monitoring program: the promise of a short-form harvest survey	6, 4
T5-7	Bullard, Joanna; Darlington, Eleanor; and members of the High Latitude and Cold Climate Dust Network	Arctic Dust: observations, impacts and future initiatives	5
T4-12	Cavazos-Guerra, C.; Keil, K.; Valeeva, V. and Chabay, I.	Impacts of changes in the Arctic on stakeholders both inside and outside Arctic regions	4
T2-23	Cenek, Martin; Mobley, Michael; Devins, Matthew; and Rodriguez, David	Neuromorphic, Low Cost, Wireless Sensor Networks for Arctic Monitoring	2
T6-1	Charapata, P.; Horstmann, L.; Misarti, N.	What can bone steroid hormones tell us physiologically? A physiological look through time using Pacific walrus bone.	6, OTHER
T2-8	Clark, Casey T.; Horstmann, Lara A.; Misarti, Nicole	Using the Past to Inform the Future: Investigating Pacific Walrus Foraging Across 2,500 Years	2, 5, 6, OTHER
T6-14	Cost, Douglas; Lovecraft, Amy	Education, Resilience, and Scenarios: Creating Capacity for Community-Based Observations through Youth Engagement	6, 4

T5-32	Cristobal, Jordi; Buchhorn, Marcel; Prakash, Anupma; and Graham, Patrick	Observations from field to space: a new integrated high-latitude hyperspectral laboratory for surface water and vegetation characterization in Alaska's Arctic and boreal regions	5
T1-1	Daghir, Lucy; McConnell, Martha; and Hicks, Mike	Understanding the Increase in Tabular Iceberg Sightings in the North Atlantic and the Implications for Shipping Activities	1
T5-12	Darlington, Eleanor. F and Hodgkins, Richard.	Sediment plumes: a remote method of detecting meltwater discharge from marine terminating glaciers	5
T2-12	de Boer, Gijs; Cassano, John, Lawrence, Dale	Micro-UAS as a tool for observing the Arctic Environment	2
T2-2	de Boer, Gijs; Ivey, Mark; Lawrence, Dale; Curry, Nathan; Finamore, William; Elston, Jack; Palo, Scott; Argrow, Brian; LoDolce, Gabriel; Mack, James; Schmid, Beat	Surface- and UAS-Based Observations at the Oliktok Point Observatory	2
T5-27	Dodd, Paul A.; de Steur, Laura; Granskog, Mats; Fransson, Agneta; Chierici, Melissa; Pavlov, Alexey; and Gerland, Sebastian	The Fram Strait Arctic Outflow Observatory	5
T2-6	Douglas, Thomas; Bjella, Kevin; Wagner, Anna; and Hiemstra, Christopher	The CRREL Permafrost Experimental Station at Farmer's Loop: 60 years of permafrost geotechnical and geomorphological investigations	2, 5
T4-4	Druckenmiller, Matthew; Francis, Jennifer; Huntington, Henry	Sea Ice Matters: Science Communication through the SEARCH Sea Ice Action Team	
T6-2	Duffy, Lawrence K.	Biocomplexity Nexus: Food and Contaminants along the Yukon River Watershed	6
T5-30	Engram, Melanie J.; Arp, Christopher D.; and Jones, Benjamin M.	Observing lake ice regime changes on Alaska's coastal plain with synthetic aperture radar (SAR)	5, 2
T6-10	Forbes, Donald; Bell, Trevor; LeTissier, Martin; Overduin, Paul; Petrov, Andrey; Atkinson, David; Couture, Nicole; Eerkes-Medrano, Laura; Kraev, Gleb; Larsen, Joan Nymand; Marino, Elizabeth; Pulsifer, Peter; Rasmussen, Rasmus Ole; Riedlsperger, Rudy; Schweitzer, Peter; Vlasova, Tatiana; and Wilson, Katherine	Circumpolar Coastal Communities Observatory Network	6
T2-25	Forsberg, René; Gabbert, Rose; Beale, James; and Holmes, Simon	Arctic Gravity Project 2016	2, 1, 5
T1-4	Francis, Emily T.; Petrov, Andrey N.; Kolpashchikov, Leonid A.; Madsen, Michael; and Kochkarev, Pavel.	Analyzing winter migration of wild Taimyr reindeer using historical census data and satellite telemetry	1
T2-15	Gabarro,Carolina; Olmedo, E. ; Turiel, A.	Salinity for cold waters	2, 5
T4-5	Gädeke, Anne; Liljedahl, Anna; Arp, Christopher; Daanen, Ronald; Alexeev, Vladimir; Cai, Lei; Whitman, Matthew	Physically based hydrological modeling to assess changes in surface water connectivity in an Arctic catchment	4, 5, 2
T1-8	Goetz, Scott; Miller, Charles; Griffith, Peter; Kasischke, Eric; Larson, Elisabeth; Hoy, Elizabeth; Hodgkinson, Dan; Hibbard, Kathy; and Margolis, Hank	The Arctic Boreal Vulnerability Experiment (ABoVE)	1, 4, 5
T6-7	Gofman-Wallingford, Victoria; Quinlan, Becky	Uninvited guests in the Arctic: invasive and unusual species observed by hunters and fisher in the Bering Sea Sub Network in 2009-13	6, 4
T1-7	Grabiec, Mariusz; Migala, Krzysztof; and Members of the Polish Snow Research Program on Svalbard	Polish Snow Research Program on Svalbard	1, 5
TO-MAR17-14	Green, Carrie	Exploring Children's Environmental Identity Development in an Subarctic Boreal Forest	OTHER, 4, 6
T5-15	Ha, H. K., La, H. S., Son, E. Y., and Im, J.	Arctic sea ice camp study for observing suspended materials	5
T2-14	Hendricks, S.; Haas, C.; Gerland, S.; Herber, A; Krumpfen, T.; Mahoney, A.; Eicken, H. and Gerdes, R.	A Pan-Arctic Airborne Sea Ice Observation System	2
T5-36	Hennessy, Thomas W.; Bruce, Michael G.; Rudolph, Karen; and Zulz, Tammy	An AON for Human Health: International Circumpolar Surveillance System for Infectious Diseases	5, OTHER
T2-4	Hiemstra, Christopher; Gelvin, Arthur; Newman, Stephen; Douglas, Thomas; Bjella, Kevin; and Wagner, Anna	LiDAR Detection of Permafrost Change	2

T0-1	Horstmann-Dehn, Lara; Stimmelmayer, Raphaela; Wooller, Matthew; and George, Craig	Blubber and beyond - contribution of ice derived fats to bowhead whales	OTHER
T5-9	Huebner, Diane C.; and Bret-Harte, Marion S.	Seedbank recruitment windows of opportunity in thaw slump thermokarsts near Toolik Lake, Alaska	5
T0-2	Huebner, Diane C.; and Sydonia, Bret-Harte M.	Recruitment windows of opportunity in thaw slump thermokarsts near Toolik Lake, Alaska	OTHER reassigned
T4-7	Hum, Richard E., Timm, Kristin	Developing, implementing, and assessing a communication strategy designed to increase diverse stakeholder engagement in arctic relevant observation networks.	4, 6
T4-9	Ibarguchi, Gabriela	Biodiversity and ecosystem monitoring come of age	4, ALL
T5-10	Iken, Katrin; Grebmeier, Jacqueline; Danielson, Seth; Hopcroft, Russ; Cooper, Lee; Mueter, Franz; Kuletz, Kathy; Stafford, Kate; Collins, R. Eric; Moore, Sue; Bluhm, Bodil A.; Bochenek, Robert	AMBON (Arctic Marine Biodiversity Observing Network)	5, 4
T5-6	Inoue, Jun; Sato, Kazutoshi; and Enomoto, Hiroyuki	Japanese contribution to the Polar Prediction Project (PPP)	5, 1
T4-14	Jandt, Randi R.; Miller, Eric A.; Bourgeau-Chavez, Laura L.; Loehman, Rachel A.; Shanks Rodrigues, Alyssa V.; Miller, Mary E.; Prakash, Anupma; and York, Alison D.	Wildfire research to enhance ecological and community resilience under changing Arctic fire regimes	4
T5-25	Janzen, Carol D; McCammon, Molly; Dugan, Darcy; Bochenek, Rob; and Koeppen, Will	The AOOS Arctic Data Portal: A Gateway to Contemporary and Historical Arctic Data Resources, Analysis and Visualization Tools	5 reassigned, OTHER
T2-1	Jawak, S.D.; Luis, A.J.	Multispectral satellite imageries and in-situ spectra for mapping cryospheric surfaces in Ny-Ålesund and environ, Svalbard.	2, 5
T3-1	Jean-Gagnon, Frankie; Forbes, Mark; and Gilchrist, Grant	Identification of key marine habitats for migratory eider ducks in the Eastern Canadian Arctic	3, 4
T2-11	Kaleschke, Lars; Tian-Kunze, Xiangshan; Maaß Nina; Wernecke, Andreas; Hendricks, Stefan; Ricker, Robert; Tonboe, Rasmus; Mäkynen, Marko; Heygster, Georg; Bertino, Laurent; Xie, Jiping; Drusch, Matthias	Sea ice thickness retrieval from SMOS and CryoSat-2: validation and application	2, 5
T5-1	Kanao, Masaki; Tsuboi, Seiji; Toyokuni, Genti; Himeno, Tetsuto; Tono, Yoko; and Anderson, Kent	The "Greenland Ice Sheet Monitoring Network (GLISN)" Initiative	5, 1
T5-26	Karcher, Michael; Wilkinson, Jeremy; et al.	Arctic-UNified Integrated Observing Network (Arctic-UNION)	5
T6-12	Kaufman, M.; Lee, O.; Mahoney, A. R.; Jones, J.; Eicken, E.; Dammann, O.; and Shapiro, L. H.	Technology, Science and Indigenous Knowledge; Tracking Sea Ice and Its Use at Barrow, Alaska	6, 2
T5-37	Kholodov, Alexander; Romanovsky, Vladimir; Natali, Susan; and Loranti, Michael	Ecosystem impact on thermal state of permafrost in Alaska	5, OTHER
T2-10	Kinsman, Nicole; and Overbeck, Jacquelyn	Which comes first in the U.S. Arctic – the tidal datum or the shoreline position?	2
T2-21	Knox, Hunter; Abbott, Robert; James, Stephanie; Lee, Rebekah; and Cole, Chris	Permafrost Active Layer Seismic Interferometry Experiment (PALSIE) and Satellite Observations	2, 5
T5-24	Kobayashi, Hideki; Yang, Wei; Yunus, Ali; Nagai, Shin; Ono, Yuhsaku; Sugiura, Konosuke; Nasahara, Kenlo; Kim, Yongwon; Van Dam, Brie; Nagano, Hirohiko; Zona, Donatella; Harazono, Yoshinobu; Bret-Harte, M. Sydonia; Ichii, Kazuhito; Ikawa, Hiroki; Iwata, Hiroki; Oechel, Walter; Ueyama, Masahito; and Suzuki, Rikie	Satellite and ground-based monitoring of terrestrial ecosystem structure and phenology in Arctic and sub-Arctic regions	5
T5-17	Kodama, Yuji; Enomoto, Hiroyuki; Yamanouchi, Takashi	Sustainable seamless monitoring in the Arctic	5
T5-16	Kodama, Yuji; Enomoto, Hiroyuki; Yamanouchi, Takashi; Ohata, Tetsuo; Ikeda, Motoyoshi	Introduction of "Long-term plan for Arctic Environmental Research"	5
T5-8	Koide, Michihiro; Hori, Masahiro; Ito, Norimasa; and Kaneko, Yutaka	JAXA's Arctic Observation from Space	5

TO-MAR16-9	Kolicka, Małgorzata; and Zawierucha, Krzysztof	Freshwater Chaetoniidae (Gastrotricha) from West Greenland	OTHER
T3-2	Korneeva, Y.; Simonova, N. N.; Tyulyubaeva, T. O.; and others at Northern Federal University [named after M.V. Lomonosov, Arkhangelsk]	The functional status' observation of oil and gas workers during the shift-in period the Arctic	3, OTHER
T4-13	Kourantidou, Melina; Kaiser, Brooks; Fernandez, Linda; Sundet, Jan; Vestergaard, Niels	Building upon cooperative prospects amongst stakeholders for fighting Arctic marine invasion challenges	4
T2-13	Kudrjashov, Vladimir A.	Estimation and Modeling of Heavy Metal Accumulation Observation Results in the Arctic Ecosystems	2
T4-8	Lee, Olivia; Payne, John; Lassuy, Dennis; Eicken, Hajo; Vargas-Moreno, Juan Carlos	Scenarios to prioritize observing activities on the North Slope, Alaska, in the context of resource development, climate change and socio-economic uncertainties	4
T2-9	Lewkowicz, Antoni	Incorporating geophysics into long-term permafrost monitoring	2
TO-5	Liljedahl, Anna; Boike, Julia; Daanen, Ronald; Fedorov, Alexander; Frost, Gerald; Grosse, Guido; Hinzman, Larry; Iijima, Yoshihiro; Jorgenson, Janet; Matveyeva, Nadya; Necsoiu, Marius; Raynolds, Martha; Romanovsky, Vladimir; Schulla, Jörg; Tape, Ken; Walker, Donald; Wilson, Cathy; Yabuki, Hironori; Zona, Donatella	Pan-arctic ice-wedge degradation in warming permafrost and influence on tundra hydrology	OTHER, 2
TO-MAR16-10	Makowska, Nicoletta; Nadobna, Paulina; Zawierucha, Krzysztof; Koczura, Ryszard and Mokracka, Joanna	The occurrence of integrons in bacteria isolated from cryoconites and soil samples from Spitsbergen	OTHER
T4-3	Manley, William F.; Gaylord, Allison G.; Kassin, Ari; Villarreal, Sandra; Barba, Mauricio; Cody, Ryan; Dover, Mike; Escarzaga, Stephen; Habermann, Ted; Kozimor, John; Score, Roberta; and Tweedie, Craig. E.	Visualization, Strategic Assessment, and Decision Support for Arctic Observing: The Arctic Observing Viewer (AOV)	4, 1, 2
T5-19	Manney, Gloria L.; Rex, Markus; Simpson, William R.; and Collins, Richard L.	Ozone Loss and Ozone Holes in the Arctic	5
T6-4	Markon, Carl; Skean, Vanessa	Proposed Process for Use of Western Science, Citizen Based Monitoring, and Traditional Knowledge in Ecosystem Models	6
T5-21	Masrur, Arif; Petrov, Andrey	Analysis of the Spatiotemporal Dynamics of Wildfire Activity in the Tundra Biome Using MODIS Data (2001-2015)	5, OTHER
T5-33	Matsurua, Yojiro; Ono, Kenji; Fujii, Kazumichi; Noguchi, Kyotaro; Makita, Naoki; Morishita, Tomoaki; Toriyama, Jumpei	Comparative study in forest soil properties among circumpolar regions	5
T2-16	Medvedev, Andrey; Alexeenko, Natalia	The development of a multi-scale spatial database on the pollution of the Russian Arctic	2, 5
T4-17	Mikheev, Valeriy L.; Rozanova-Smith, Marya S.; and Gretsov, Andrey G.	The Sustainable Development of Communities-in-Transition in the Arctic Region of Russia (Case Study of the Sakha (Yakutia) Republic)	4, OTHER, 3
T2-20	Mikheev, Valeriy; Smyshlyaev, Sergey; Dikinis, Aleksandr; Kuzmin, Vadim and Rozanova, Marya	Developing and implementing an automated information system of monitoring and forecasting the atmospheric chemical composition of the Arctic zone	2
T5-14	Mudunkotuwe, Dulini Yasara; De Silva, Waruna Arampath; and Yamaguchi, Hajime	Improving sea ice predictions along the Northern Shipping Route using observation data	5
T5-11	Mukunda, M. Gogoi; and Babu, Suresh S.	Indian efforts on Arctic Aerosol Research: Current status and Future plan	5
T2-17	Murray, Maribeth; Vossepoel, Shannon	The Canadian Consortium for Arctic Data Interoperability (CCADI)	2
TO-MAR17-11	Murray, Maribeth; Wells, Patricia; and Iburguchi, Gabriela	Northern Seas: Inventorying Historic Logs for Arctic Climate and Ecosystem Data Reconstruction	OTHER
T5-3	Muskett, Reginald	ICESat GLAS Elevation Changes and ALOS PALSAR InSAR Line-Of-Sight Changes on the Continuous Permafrost Zone of the North Slope, Alaska	5
T5-4	Muskett, Reginald; Romanovsky, Vladimir; Cable, William; Kholodov, Alexander	Active-Layer Soil Moisture Content Regional Variations in Alaska and Russia by Ground-Based and Satellite-Based Methods, 2002 Through 2014	5

T0-4	Na, Guangshui; Wei, Wei; and Yao, Yao	Distribution characteristics and indicator significance of Dechloranes in multi-matrices at Ny-Ålesund in the Arctic	OTHER
T5-18	Newman, Paul A.; Chipperfield, Martyn P.; Manney, Gloria L.; Simpson, William R.; and Collins, Richard L.	The Ozone Hole and World Avoided	5
T6-13	Overbeck, Jacquelyn; Maio, Christopher; Buzard, Richard	Raising the Stakes for Stakeholders	6, 4
T6-3	Panda, Santosh K.; Kholodov, Alexander; Dubay, Charlene; and Hanson, Teresa	Engaging rural communities in permafrost and climate monitoring in the Upper Kuskokwim region, interior Alaska	6
T3-3	Panikkar, Bindu	Extractive Industries and the Arctic: Community experiences and environmental legacies	3, 4
T5-31	Park, Hotaek; Iijima, Yoshihiro; Fedorov, Alexander	Design of hydrothermal and biogeochemical observation network in Northeastern Siberia	5
T1-2	Peace, Taylor E. and McConnell, Martha C.	Capital Investments versus Present and Planned Infrastructures in the Arctic	1, OTHER
T4-15	Penn, Henry J. F.; Loring, Philip A. and Gerlach, S. Craig	Seasons of stress: towards understanding people's ability to respond to change and surprise	4, 5
T2-19	Plumb, Edward; Johnson, Crane	Using an Iridium Satellite Telemetered Gage (iGage) for Hydrologic, Snowfall, and Coastal Storm Surge Measurements to Support Forecast Operations in Alaska	2
T5-23	Potter, Rachel; Fang, Ying-Chih; Statscewich, Hank; Weingartner, Thomas	Surface Currents on the Northeastern Chukchi and Western Beaufort Sea Shelves as Detected by High Frequency Radars	5
T2-18	Provost, Christine; Pelon, Jacques; Sennechael, Nathalie; Koenig, Zoé; Mariage, Vincent; Villacieros-Robineau, Nicolas; and Thomas, Jennie L.	First results from IAOOS ocean-ice-snow-atmosphere integrated observing project	2, 1
T4-18	Radenbaugh, Todd A.	Adapting every day: An undergraduate Climate Change Course for Western Alaska	4, OTHER
T3-4	Roe, George; Holdmann, Gwen; Sheets, Brent	Arctic Remote Energy Network Academy	3, 2
T4-6	Rolph, Rebecca; and Mahoney, Andy	The need for stakeholder engagement in understanding impacts of observed changes in the timing of coastal freeze-up	4, 6
TO-MAR16-8	Roszkowska, Milena; Ostrowska, Marta; Zawierucha, Krzysztof; and Kaczmarek, Łukasz	Barcoding DNA – a tool to study diversity of tardigrades in Arctic	OTHER
T4-2	Saarela, Jeffery	The critical role of natural history collections in documenting biodiversity of the Arctic in the past, present and future	4, 5, OTHER
T1-9	Sheffield Guy, L.; on behalf of the 13-member AOOSM Organizing Committee	The 2015 Arctic Observing Open Science Meeting (AOOSM) – Community achievements, goals, and advancements toward a thriving, collaborative network of Arctic observations	1
T5-12	Simpson, William R.; Collins, Richard L.; Li, Jintai; Triplett, Colin; Harvey, V. Lynn; Petropavlovskikh, Irina; McConville, Glen; McPeters, Richard D.; and Evans, Robert D.	Observing the Arctic Ozone Layer, Stratosphere, and Mesosphere	5
T1-6	Sokolov, Vladimir	Scientific Stationary "Ice Base Cape Baranov" - a new member of the Arctic observatories network	1
T2-7	Søreide, Janne; Gradinger Rolf; Niehoff Barbara, Ilka; Peeken, Bluhm Bodil; Gabrielsen Tove, Johnsen Geir and Berge Jørgen	Arctic Ocean winter ecology – the big black box!	2, 5
TO-MAR17-12	Sparrow, Elena B.*; Spellman, Katie V.	Integrating Culturally-Responsive, Locally Relevant Learning and Citizen Science through Arctic and Earth SIGNs	6 (under OTHER due to space)
T6-8	Spiers, Kent Gordon	Toward Best Practices in Arctic Social and Ecological Sustainability: A Critical Evaluation of Community-Based Monitoring Programs	6

T5-34	Steen, Harald; Granskog, Mats A.; Duarte, Pedro; Gerland, Sebastian; Hudson, Stephen R.; Smedsrud, Lars H.; and Spreen, Gunnar	N-ICE2015: Observational study on drifting Arctic sea ice north of Svalbard from winter to summer	5, OTHER
T2-22	Stinchcomb, Taylor R.; Brinkman, Todd J.	Quantifying aircraft noise in caribou harvest areas for the community of Nuiqsut using a soundscape ecology approach	2, 6
T4-10	Stuefer, Svetlana; and Arp, Christopher	Terrestrial Environmental Observing Network (TEON) – the Kuparuk River, Alaska’s Arctic, USA	4
T2-24	Suprenand, P. M.; and Hoover, C.	Ecosystem model of the entire Beaufort Sea marine ecosystem: a spatial and temporal tool for assessing food-web structure and marine mammal changes from 1970 to 2014	2, 4, 6
T5-28	Suzuki, Rikie; Kim, Yongwon; Kobayashi, Hideki; Nagai, Shin; Saito, Kazuyuki; Sugiura, Konosuke; Iwahana, Go; and Busey, Robert	Supersite for eco-hydrological observations at Poker Flat Research Range, Alaska	5
T5-2	Tape, Ken	Observed changes in arctic terrestrial wildlife linked to 20th century warming	5, OTHER
T6-15	Tatsuzawa, Shirow; Okhlopkov, Innokentiy, M.; Solomonov, Nikita G.; Isaev, Arcady, P.; Nikolaev, Egor A.; Kirillin, Egor V.; Kirillin, Ruslan A.; Mamaev, Nikolai V.; Vladimirtseva, Maria V.; and Germogenov, Nikolai I.	Community-based Adaptive Wildlife Management in Sakha Republic, Russia under the Global Warming Condition	6
T5-22	Taylor, Patrick; Kato, Seiji; Xu, Kuan-man; Cai, Ming	Covariance between atmospheric state regimes, Arctic low clouds, and sea ice	5
TO-3	Thakur, Roseline C.; Thamban, Meloth	Effect of meteorological and sea ice conditions on the chemical composition of Arctic aerosols during late winter – a case study	OTHER
T5-13	Vihma, Timo; Uttal, Taneil; Walden, Von; Cox, Christopher; Starkweather, Sandy; Makshtas, Alexander; and Key, Jeff	Application of IASOA circumpolar observations in studies of atmospheric transports into and out of the Arctic	5
T2-5	Wagner, Anna; Hiemstra, Christopher; Sturm, Matthew; and Parr, Charles	Improving snow observations using snow patterns and smaller manned aircrafts or UAVs	2
T4-11	Wheeler, Helen; Berteaux, Dominique; Furgal, Chris; Parlee, Brenda; Rodrigues, Ana; Yoccoz, Nigel; and Gremillet, David	The TAMANI project: Assessing needs and opportunities for inclusive pan-arctic monitoring of seabirds and terrestrial vertebrates	4, 5, OTHER
T6-11	Wilson, Katherine; Bell, Trevor; Ljubicic, Gita; Braithwaite, Leah; Arreak, Andrew; and Elverum, Shelly	How can traditional ecological knowledge and western science be effectively mobilized to understand and respond to change in Arctic environments?	6
T5-29	Wyszyński, Przemysław; Klaus, Daniel; Dethloff, Klaus; Przybylak, Rajmund; Rinke, Annette and Handorf, Dörthe	Intercomparison study between a regional climate model, two versions of the 20CR reanalysis, and surface-based observations on Franz Josef Land during the Early Twentieth Century Warming	5, OTHER
T5-5	Yabuki, Hironori; Sugimura, Takeshi; Terui, Takeshi; Enomoto, Hiroyuki	Future development and challenges on Arctic Data archive System(ADS)	5
TO-MAR17-15	Yuansheng, Li and Beichen, Zhang*	Monitoring Environment in Polar Regions --- An introduction of Chinese Arctic Observations	OTHER
TO-MAR16-6	Zawierucha, Krzysztof; Kaczmarek, Łukasz; and Ostrowska, Marta	Climatic and environmental factors influencing tardigrade communities in Svalbard Archipelago	OTHER
TO-MAR16-7	Zawierucha, Krzysztof; Ostrowska, Marta; Vonnahme, R. Tobias; Devetter, Miloslav; Nawrot, Adam; Kosicki, Jakub Z.; and Kolicka, Małgorzata	Tardigrada in Arctic cryoconite holes (Spitsbergen, Svalbard) – diversity and abundance	OTHER
TO-MAR17-13	Zhang, Xiangdong*; Zhang, Jing; Krieger, Jeremy R.; Shulski, Martha; Liu, Fuhong; Tao, Wei; and Stagall, Steve	Chukchi-Beaufort Seas High-Resolution Atmosphere Reanalysis (CBHAR): Data Verification and Climate Analysis	2, 5 (under OTHER due to space)